a control circuit coupled to the photodetector, the control circuit

receiving the data packets and control packets conveyed by the single modulated light beam, and

extracting therefrom embedded control packets;

a processor coupled to the control circuit and receiving therefrom the control packets and generating in response thereto beam alignment signals;

a beam transmitter coupled to the processor and receiving therefrom the beam alignment signals, the beam transmitter adjusting alignment of a light beam in response to the beam alignment signals.

10. (Amended) The optical wireless link of claim 9 further comprising:

a servo detector adjacent the photodetector and configured to detect light intensity information; and

a control information generator coupled to the servo detector and configured to generate control information from the light intensity information received from the servo detector; and wherein

the control circuit embeds the control packets into the stream of data packets to be conveyed by the beam transmitter.

12. (Amended) The optical wireless link of claim 9 wherein said control logic comprises a switch configured to detect control information on the basis of a destination address contained within the control packet.

B2

13. (Amended) The optical wireless link of claim 9 wherein the data packets are Ethernet frames and wherein the control packets are SubNetwork Access Protocol packets.

B3

22. (Amended) A system for communicating a data stream between a first and second data devices comprising:

a first data source / sink generating a stream of data packets;

a first optical wireless device coupled to receive the stream of data packets from the first data source / sink and including:

a switch configured to receive the stream of data packets and to insert therein alignment control packets;

a light beam transmitter coupled to the switch and configured to transmit the stream of both data packets and control packets on a single modulated light beam;

a second optical wireless device comprising:

a photodetector configured to receive the single modulated light beam;

a second switch configured to receive the stream of data packets and control packets from the photodetector and to extract therefrom the control packets;

a second light beam transmitter; and

a light beam transmitter alignment unit coupled to the second light beam transmitter and configured to align the second light beam transmitter in response to the control packets; and

a second data source / sink coupled to the second optical wireless device and receiving therefrom the stream of data packets.